

1st Conference (Kick-Off conference) of SANKEN Core to Core Program

Agenda on June 17 (Monday) @ imec CAF. -1A , Leuven

9:30-10:20

- **Welcome word : Luc Van den hove, President and CEO, imec (5min)**
- **Welcome word & Executive overview of SANKEN core to core program:**
Chairperson of SANKEN core to core program, Prof. Kazuhiko Matsumoto, Osaka Univ. (15min)
- **Executive overview of imec: Prof. Jo de Boeck CTO&SVP, imec (30min)**

10:20-10:50 Coffee break

10:50-12:30 presentations am : Nano-wire and Graphene

- 10:50-11:20 Nanowire Devices for Electronic and Optoelectronic Applications, Prof. David B. Janes, Purdue Univ.
- 11:20-11:50 Graphene: Epitaxial CVD Growth, Nanofabrication and Properties, Prof. Hiroki Ago, Kyushu Univ.
- 11:50-12:15 Graphene Devices and Contact Engineering, Dr. Asselberghs Inge, imec
- 12:15-12:30 Nanowire Memristor, Associate Prof. Takeshi Yanagida, Osaka Univ.

12:30-13:50 lunch + networking discussion

13:50-15:20 presentations pm-1 : Molecule Materials and Nanomaterials

- 13:50-14:20 P*-Secondary Phosphine Boranes: from Asymmetric Catalysis to C60 Amino Acid Derivatives, Prof. Sylvain Jugé, Institut de Chimie Moléculaire de l'Université de Bourgogne
- 14:20-14:40 Exploring a Novel Carbon-Carbon Bond Forming Reaction Using a Bifunctional Asymmetric Catalyst, Prof. Hiroaki Sasai, Osaka Univ.
- 14:40-15:00 Single-molecule Fluorescence Imaging of TiO₂ Photocatalytic Reactions, Prof. Tetsuro Majima, Osaka Univ.
- 15:00-15:20 Soft Charge Dynamics in Organic Semiconductor Transistors, Prof. Jun Takeya, Univ. of Tokyo

15:20-15:50 networking coffee break

15:50-17:20 presentations pm-2 : Solar Cells and Information Processing

- 15:50-16:20 New Chemical Methods for Characteristics Improvement of Crystalline Si Solar Cells and Thin Film Transistors, Prof. Hikaru Kobayashi, Osaka Univ.
- 16:20-16:40 Nanotechnology in Crystalline Si Solar Cells, Prof. Jef Poortmans, imec
- 16:40-17:00 Prediction for Human Feelings and Mobility, Prof. Masayuki Numao, Osaka Univ.
- 17:00-17:20 Data Mining from Big Log Data of Electronic Devices, Prof. Takashi Washio, Osaka University

17:20

Closing

17:30

Networking reception in CAF. -1A

Agenda on June 18 (Tuesday) @ imec CAF. -1A , Leuven

9:00-12:00 presentations am : Soft Nano-materials and Devices

- 9:00-9:30 Quantitative Scanning Probe Methods for the Characterization and Design of Mechanical Properties and Interfaces at the Crossing Point of Biology, Physics, Medicine and Nanotechnology, Lecturer Sonia Contera, University of Oxford
- 9:30-10:00 Self-assembly of Nanoparticles toward Biosensing and Drug Carrier, Prof. Kuniharu Ijio, Hokkaido Univ.
- 10:00-10:20 Attosecond and Femtosecond Dynamics in Nano-materials, Prof. Yoichi Yoshida, Osaka University
- 10:20-10:50 Liquid Crystalline Block Copolymer Template Processes, Prof. Tomokazu Iyoda, Tokyo Tech
- 10:50-11:20 "Novel Electrical Interconnects Based on Metallised Polymer Spheres" Prof. Helge Kristiansen, Prof. Conpart AS, and Prof Zhiliang Zhang, NTNU, and Jianying He, NTNU
- 11:20-11:50 Ultra-thin Chip Package (UTCP) and Elastic Circuit Technologies for Compact or Conformable Sensor and Electronics Assemblies, Dr. Jan Vanfleteren, imec/UGent

11:50

Closing

11:50-13:30

Lunch